IN THE UNITED STATES DISTRICT COURT FOR THE STATE OF NEW MEXICO

03 AUG -5 AM 8: 29

STATE OF NEW MEXICO, ex rel. State Engineer

Plaintiff,

RAMON ARAGON, et al.,

Defendants.

69ev07941 BB-ACE

RIO CHAMA STREAM SYSTEM Village of Chama, Section 7

## NOTICE OF FILING OF THE RIO CHAMA STREAM SYSTEM VILLAGE OF CHAMA SECTION HYDROGRAPHIC SURVEY

COMES NOW Plaintiff State of New Mexico ex rel. State Engineer and gives notice that the hydrographic survey report for the Village of Chama Section of the Rio Chama Stream System was filed with the Court on August 5, 2003. Additional copies of the report are available for inspection by appointment during regular business hours at the Office of the State Engineer, Water Rights Protection and Adjudication Program, Santa Fe, New Mexico. The completion of this hydrographic survey report completes the hydrographic survey of the Rio Chama Stream System by the Office of the State Engineer.

Respectfully submitted,

EDWARD G. NEWVILLE

Special Assistant Attorney General Office of the State Engineer

P.O. Box 25102

Santa Fe, NM 87504-5102

(505) 827-6150

#### **CERTIFICATE OF SERVICE**

Edward G. Newville

### RIO CHAMA GENERAL SERVICE LIST

Special Master Vickie L. Gabin USDC-DCNM P.O. Box 2384 Santa Fe, NM 87504-2384

Karla McCall, Data Manager, 1315 Sagebrush Dr. SW Los Lunas, NM 87031

Bradley S. Bridgewater, Esq. David W. Gehlert, Esq. USDOJ-ENRD 999 18th St., Suite 945 Denver, CO 80202

Mary E. Humphrey, Esq. P.O. 1574 El Prado, N.M. 87529-1574

John W. Utton, Esq. Shechan, Shechan & Stelzner PA P.O. Box 271 Albuquerque, NM 87103-0271

Fred J. Waltz, Esq. P.O. Box 6390 Taos, NM 87571

Frank M. Bond, Esq. The Simmons Firm LLP P.O. Box 5333 Santa Fe, NM 87502-5333

Annie Laurie Coogan, Esq. 1520 Pasco de Peralta # E Santa Fe, NM 87501-3722

John E. Farrow, Esq. Farrow, Farrow & Stroz P.O. Box 35400 Albuquerque, NM 87176

Randolf B. Felker, Esq. Felker, Ish, Hatcher, Ritchie, Sullivan & Geer 911 Old Pecos Trail Santa Fe, NM 87501

K. Janelle Haught, Esq. NMHSTD P.O. Box 2348 Albuquerque, NM 87504-2348

Mary Ann Joea, Esq. U.S. Department of Agriculture Office of General Counsel P.O. Box 586 Albuquerque, NM 87102

Randy E. Lovato, Esq. 8100 Rancho Sucno Ct., NW Albuquerque, NM 87120

Steven L. Bunch, Esq. NMSHTD P.O. Box 1149 Santa Fe, NM 87504-1149

Peter B. Shoenfeld, Esq. P.O. Box 2421 Santa Fe, NM 87504-2421

Lucas O. Trujillo P.O. Box 57 El Rito, NM 87530

Fred Vigit P.O. Box 687

Medanales, NM 87548

C. Mott Wooley, Esq. 112 W. San Francisco St. Suite 312C Santa Fe, NM 87501-2090

Jeffrey L. Fornaciari, Esq. Hinkle, Cox, Eaton, Coffield & Hensley P.O. Box 2068 Santa Fe, NM 87504-2068

Paula Garcia NM Acequia Association 430 W. Manhattan, Ste. 5 Santa Fe, NM 87501

Benjamin Philips, Esq. John F. McCarthy, Jr., Esq. Rebecca Dempsey, Esq. White, Koch, Kelly & McCarthy PA P.O. Box 787 Santa Fe, NM 87504-0787

Lester K. Taylor, Esq. Nordhaus, Haltom, Taylor, Taradash & Bladh, LLP 405 Dr. Martin Luther King, Jr. Avenue, NE Albuquerque, NM 87103-0271

Susan G. Jordan, Esq. Nordhaus, Haltom, Taylor, Taradash & Bladh, LLP 200 West DeVargas, Suite 9 Santa Fe, NM 87501

Tessa T. Davidson, Esq.

Swain, Schrandt & Davidson, PC 4830 Juan Tabo, NE, Suite F Albuquerque, NM 87111

Marcus J. Rael, Jr. Esq. French & Associates, PC 500 Marquette Ave. NW Albuquerque, NM 87120

Ted J. Trujillo P.O. Box 2185 Española, NM 87532

Pierre Levy, Esq. Law Offices of Daniel J. O'Friel Ltd. P.O. Box 2084 Santa Fe, NM 87504-2084

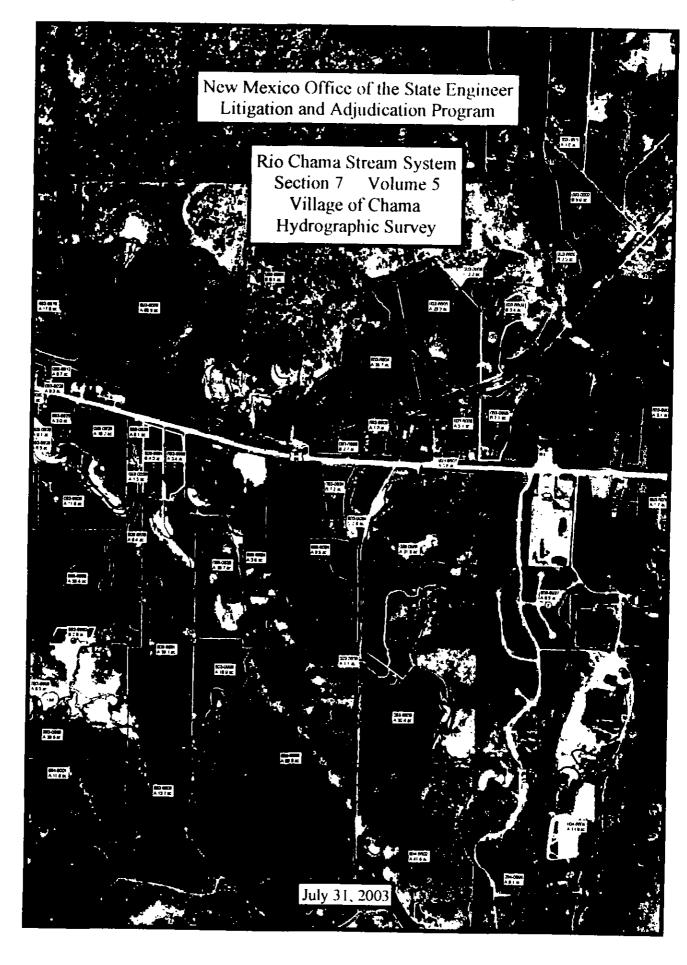
John P. Hays, Esq. Cassutt, Hays, & Friedman PA 530-B Harkle Road Santa Fe, NM 87505

Charles T. DuMars, Esq. Law & Resource Planning Assoc. 201 Third Street, NW #1370 Albuquerque, NM 87102

Daniel Cleavinger, Esq. P.O. Box 339 Tierra Amarilla, NM 87575

Joseph V. R. Clark, Esq. Cudy, Kennedy, Hetherington, Alberta & Ives LLP P.O. Box 4160 Santa Fe, NM 87502-4160

Christopher D. Coppin, Esq. NM Attorney General's Office P.O. Drawer 1508 Santa Fe, NM 87504-1508 NM Acequia Commission c/o Jessie Bopp Depart, of Finance & Admin, Local Government Division Bataan Memorial Building Santa Fe, NM 87503 Alfonso G, Sanchez, Esq. 2853 Calle Princesa Juana Santa Fe, NM 87507





#### STATE OF NEW MEXICO

#### OFFICE OF THE STATE ENGINEER

John R. D'Antonio, Jr. State Engineer

# LITIGATION & ADJUDICATION PROGRAM

130 South Capitol Santa Fe, New Mexico 87501 Mailing Address: P.O. Box 25102 Santa Fe, NM 87504-5102 Telephone: (505) 827-6150 Fax: (505) 827-3887

July 31, 2003

Patricia Madrid
Attorney General, State of New Mexico

c/o Mr. D.L. Sanders
Special Assistant Attorney General
P.O. Box 25102
Santa Fe, New Mexico 87504

Dear Attorney General:

Transmitted herewith in accordance with NMSA § 72-4-15 is the completed Hydrographic Survey of the Village of Chama drainage area of the Chama River in Rio Arriba County, New Mexico.

This survey was performed pursuant to NMSA § 72-4-13 and was completed on July 31<sup>st</sup> 2003. The survey includes an investigation of water rights appurtenant to 2934.9 acres of land within the Village of Chama area of the northern Rio Chama. Of the 2934.9 surveyed acres, 2119.4 were found to be presently irrigated and to have a water right, 49.1 acres were found to be presently fallow but to have an established water right and 766.4 acres were determined to have no valid water right.

In my capacity as State Engineer and in compliance with the above cited statutes, I am requesting you proceed to a final adjudication of all rights to the use of the surface and ground water in the Village of Chama drainage area of the Rio Chama.

Sincerely,

John R. D'Antonio, Jr. PE, New Mexico State Engineer

# New Mexico Office of the State Engineer Litigation and Adjudication Program Hydrographic Survey Bureau

Rio Chama Stream System Section 7 Volume 5 Village of Chama Hydrographic Survey

July 31, 2003

INTRODUCT	IONiii
	Directive to Perform Rio Chama Hydrographic Surveysiii
	Status of Rio Chama Sub-basin Hydrographic Surveysiii
DESCRIPTION	N OF THE VILLAGE OF CHAMA HYDROGRAPHIC SURVEYiv
	Description of the Village of Chama areaiv
	Availability of Evidence of Water Use on the Village of Chamaiv
	Acrial Photographyiv
	Field Controlv
	Detailed Field Inspectionsv
j	Interpretation of 1958 and 1995 Evidence of Irrigated Statusv
]	Final Mappingvi
]	Irrigated Acreage Surveyed and Water Right Statusvi
	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
QUANTIFICA'	ΓΙΟΝ OF IRRIGATION WATER REQUIREMENTSvi
DEFINITIONS	USED IN QUANTIFYING IRRIGATION WATER
REQUIREMEN	/TSvi
(	Consumptive Use vi
F	Effective Rainfall vi
(	Consumptive Irrigation Requirements
(	On-farm Irrigation Efficiency
F	Farm Delivery Requirementvii
(	Off-farm Conveyance Efficiencyvii
P	Project Diversion Requirement or Off-farm Diversion Requirement vii
	- -
GENERAL PRO	OCEDURE FOR QUANTIFYING IRRIGATION WATER
REQUIREMEN	TSvii

QUANTIFYING WATER REQUIREMENTS FOR CROPLAND IRRIGATED WITH
SURFACE WATER IN VILLAGE OF CHAMA AND VICINITYix
Cranning Pattorn
Cropping Patternix Weather Datax
Growing or Irrigation Seasonsxi
Consumptive Use (U) or Evapotranspiration (ETc) Computed Using the Original
Blaney-Criddle Methodxi
Effective Rainfall (Re) Computed Using the USBR Methodxii
Consumptive Irrigation Requirement (CIR)
Crop Distribution Ratios (CDR)xiii
Weighted Consumptive Irrigation Requirement xiii
Farm Delivery Requirementxiv
Project Diversion Requirementxiv
AIV
CONCLUSIONxv
REFERENCESxvi
Findings of the Hydrographic Survey1
Amondin A. Dionas Caiddo Calastatians
Appendix A: Blaney-Criddle Calculations
Appendix B: Abstracts of Surface Water Right Declaration Filings
Appendix B. Mosdaets of ourface water Right Declaration Finings
Appendix C: Abstracts of Surface Water Right Permit Filings
C-1
Appendix D: Abstract of Declared Commercial/Domestic and Irrigation Well Water Right
Filings D-1
Appendix E: Alphabetical List of Water Right ClaimantsE-1

THE EXHIBITS ATTACHED TO THIS

PLEADING ARE TOO VOLUMINOUS TO

SCAN. SAID EXHIBITS ARE ATTACHED

TO THE ORIGINAL PLEADING IN THE

CASE FILE WHICH IS LOCATED IN THE

RECORDS DEPARTMENT, U.S.

DISTRICT COURT CLERK'S OFFICE.